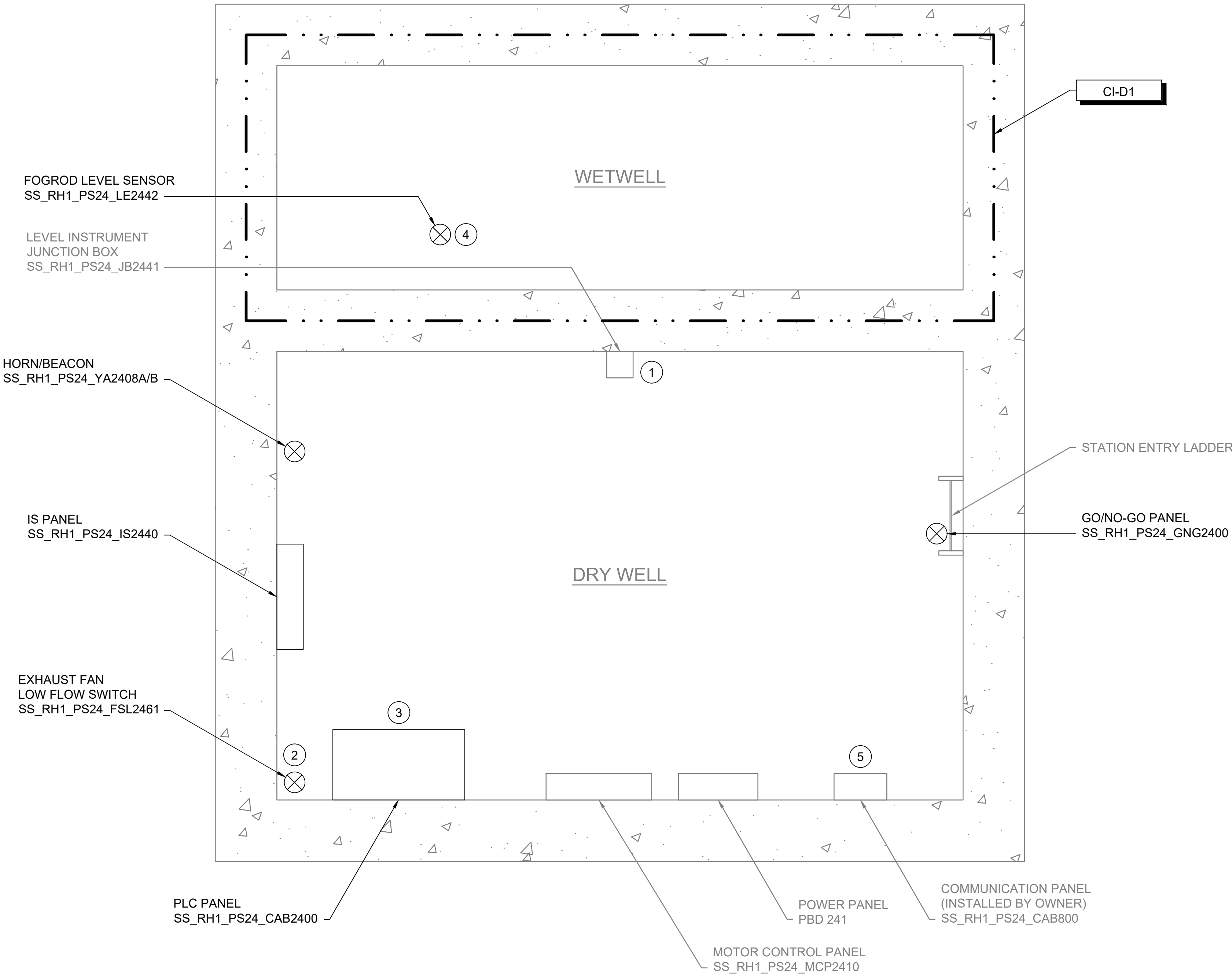
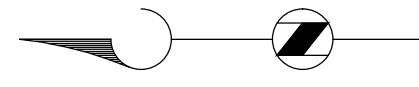


PUMP STATION 24 - 4606 E MERCER WAY



PLAN
SCALE: 3/4" = 1'-0"

GENERAL NOTES:

1. PLAN DRAWING IS PARTIAL REPRESENTATION OF THE SITE AND IS ONLY INTENDED TO PROVIDE DETAILS RELATED TO THE SCOPE OF THIS WORK.
2. REFERENCE AS-BUILT RECORD DRAWING BY CAREY & KRAMER CONSULTING ENGINEERS, DRAWING NUMBER 6223-M318.2, SHEET 19 OF 32 FOR ELEVATIONS RELATED TO WIRING AND CONDUIT DEMOLITION.
3. REFER TO CIRCUIT & RACEWAY SCHEDULE ON THIS DRAWING FOR NEW WIRING AND CONDUIT WITHIN THE PUMP STATION.

KEY NOTES:

- 1 REFER TO SECTION 26 05 00 FOR CONDUIT SEALOFF REQUIREMENTS FROM CLASS I DIV 1 WETWELL.
- 2 REFER TO DWG I-00004 DETAIL C FOR THERMAL FLOW SWITCH INSTALLATION DETAIL ON EXISTING EXHAUST DUCT.
- 3 REFER TO SECTION 26 05 00 FOR PLACING COMPRESSION FITTINGS ON EXISTING CONDUIT TO ROUTE TO NEW PANEL.
- 4 COORDINATE WITH OWNER ON FOGROD INSTALLATION LOCATION IN WETWELL.
- 5 LOCATION OF COMMUNICATION PANEL IS APPROXIMATE. COORDINATE WITH OWNER ON FINAL COMMUNICATION PANEL LOCATION.



701 PIKE STREET
SUITE 1200
SEATTLE, WASHINGTON

PERMIT ISSUE



CITY OF
MERCER ISLAND

SEWER SCADA
SYSTEMS
REPLACEMENT

REVISIONS

| REV | DATE | DESCRIPTION |
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LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: CAB
DRAWN: DDJ
CHECKED: LSL
CHECKED: LSL
APPROVED: CAB

FILENAME
I-24701.DWG
BC PROJECT NUMBER
153585
CLIENT PROJECT NUMBER

INSTRUMENTATION

PUMP STATION 24 -
PLAN

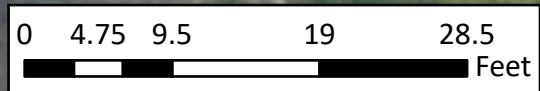
DRAWING NUMBER
I-24701
SHEET NUMBER
XX OF XX

CIRCUIT & RACEWAY SCHEDULE

| CIRCUIT | FUNCTION | WIRE SIZE & PHASE ASSIGNMENT | FROM | TO | RACEWAY SIZE | DESCRIPTION | LOCATION(S) |
|----------|---------------|------------------------------|---------------------|-----------------------|--------------|---|-------------------------------------|
| C-2401 | CONTROL | 14-#14 | SS_RH1_PS24_CAB2400 | SS_RH1_PS24_IS2440 | 3/4" | LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES | GRATING LEVEL |
| C-2402 | CONTROL | 6-#14 | SS_RH1_PS24_IS2440 | SS_RH1_PS24_MCP2410 | 3/4" | CALL PUMPS TO RUN | GRATING LEVEL |
| C-2403 | CONTROL | 2-#14 | SS_RH1_PS24_CAB2400 | SS_RH1_PS24_FSL2461 | 3/4" | EXHAUST FAN FLOW SWITCH | GRATING LEVEL |
| C-2404 | CONTROL | 4-#14, #14G | SS_RH1_PS24_CAB2400 | SS_RH1_PS24_YA2408A/B | 3/4" | HORN/RED BEACON FAN ALARM | GRATING LEVEL |
| P/C-2405 | POWER/CONTROL | 10-#14, #14G CORD | SS_RH1_PS24_CAB2400 | SS_RH1_PS24_GNG2400 | - | POWER AND CONTROL TO GNG PANEL | GRATING LEVEL TO STATION HATCH DOOR |
| P-2401 | POWER | 2#14, #14G | SS_RH1_PS24_CAB2400 | SS_RH1_PS24_IS2440 | 3/4" | 24VDC POWER TO IS PANEL MODULE | GRATING LEVEL |
| P-2402 | POWER | 2#12, #12G | PBD241 | SS_RH1_PS24_IS2440 | 3/4" | 120VAC POWER TO IS PANEL POWER SUPPLY | GRATING LEVEL |
| P-2404 | POWER | 2#14, #14G | SS_RH1_PS24_CAB2400 | SS_RH1_PS24_FSL2461 | 3/4" | POWER TO THERMAL FLOW SWITCH | GRATING LEVEL |
| S-2401 | SIGNAL | 2 TSP | SS_RH1_PS24_CAB2400 | SS_RH1_PS24_IS2440 | 3/4" | 2 LIT READINGS | GRATING LEVEL |
| S-2402 | SIGNAL | MFR CABLE | SS_RH1_PS24_JB2441 | SS_RH1_PS24_IS2440 | 3/4" | PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL | GRATING LEVEL |
| S-2403 | SIGNAL | MFR CABLE | SS_RH1_PS24_LE2442 | SS_RH1_PS24_IS2440 | 3/4" | SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL | GRATING LEVEL |

Path: C:\USERS\JACKSON\BCP\WID\820948 FILENAME: I-24701.DWG PLOT DATE: 6/24/2022 12:15 PM CAD USER: DAN JACKSON

Pump Station 24 - 4606 E. Mercer Way



AGS_TYPE

- ▲ Antenna
- Vent
- Ordinary High Water Mark
- ▨ Sewer Pump Station
- ▭ Parcels